

HSC 70 Polyclonal Antibody

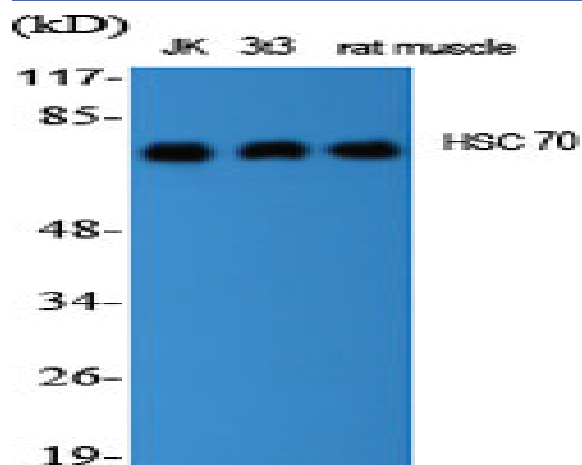
Catalog No :	YT2231
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	HSC 70
Fields :	>>Spliceosome;>>MAPK signaling pathway;>>Protein processing in endoplasmic reticulum;>>Endocytosis;>>Longevity regulating pathway - multiple species;>>Antigen processing and presentation;>>Estrogen signaling pathway;>>Prion disease;>>Legionellosis;>>Toxoplasmosis;>>Measles;>>Lipid and atherosclerosis
Gene Name :	HSPA8
Protein Name :	Heat shock cognate 71 kDa protein
Human Gene Id :	3312
Human Swiss Prot No :	P11142
Mouse Gene Id :	15481
Mouse Swiss Prot No :	P63017
Rat Gene Id :	24468
Rat Swiss Prot No :	P63018
Immunogen :	The antiserum was produced against synthesized peptide derived from human HSC 70. AA range:202-251
Specificity :	HSC 70 Polyclonal Antibody detects endogenous levels of HSC 70 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG

Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	70kD
Cell Pathway :	Spliceosome;MAPK_ERK_Growth;MAPK_G_Protein;Endocytosis;Antigen processing and presentation;
Background :	This gene encodes a member of the heat shock protein 70 family, which contains both heat-inducible and constitutively expressed members. This protein belongs to the latter group, which are also referred to as heat-shock cognate proteins. It functions as a chaperone, and binds to nascent polypeptides to facilitate correct folding. It also functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011],
Function :	function:Chaperone. Isoform 2 may function as an endogenous inhibitory regulator of HSC70 by competing the co-chaperones.,induction:Constitutively synthesized.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the heat shock protein 70 family.,subcellular location:Translocates rapidly from the cytoplasm to the nuclei, and especially to the nucleoli, upon heat shock. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.,subunit:Interacts with HSPH1/HSP105. Interacts with IRAK1BP1 (By similarity). Interacts with PACRG and TSC2. Interacts with SV40 VP1.,tissue specificity:Ubiquitous.,
Subcellular Location :	Cytoplasm. Melanosome. Nucleus, nucleolus. Cell membrane. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Translocates rapidly from the cytoplasm to the nuclei, and especially to the nucleoli, upon heat shock.
Expression :	Ubiquitous.
Tag :	orthogonal,hot
Sort :	7852
No4 :	1

Host : Rabbit

Modifications : Unmodified

Products Images



Western Blot analysis of various cells using HSC 70 Polyclonal Antibody diluted at 1:2000



Western Blot analysis of HepG2 cells using HSC 70 Polyclonal Antibody diluted at 1:2000